

The topics of the Conference

1. Mathematical modeling of:

- processes of energy, pulse, mass and charge transfer in welding arcs;
- process of metal transfer in welding;
- heat, electromagnetic, hydrodynamic and mass exchange processes taking place in welding, surfacing and coating deposition;
- stress-strain state of welded structures;
- kinetics of solid phase transformations in heat affect zone;
- formation of weld, heating, melting and transfer of electrode metal;
- solidification of weld metal and formation of chemical heterogeneity;
- interaction of highly-concentrated power sources with metal being welded;
- effect of external factors (magnetic field, current modulation, activating factors etc.) on welding process;
- defect detection in non-destructive methods of welded joint testing.

2. Information technologies in welding and related processes:

- data base of properties of structural materials and shielding gases;
- information-calculation systems for selection of welding consumables and mode parameters of welding, surfacing, coating deposition and other related processes.

Working languages of the Conference:

Ukrainian, Russian, English.

To participate in the Conference, it is necessary to fill the Registration Form and send it to the Organizing Committee before June 22, 2018.

Requirements to the abstract preparation

Text should be presented using one of the working languages in Microsoft Word (font size 12, 1.5 spacing) on single page. Margin at the top – 2 cm, at the bottom, on the right and on the left – 3 cm. Title of paper should be printed in capital letters at the middle of line. Below, initials and names of authors, again below the affiliation, city, country are followed. Abstract should not contain formulas, tables, figures and photos.

Abstracts of the papers should be sent to E-mails: romanova@paton.kiev.ua or journal@paton.kiev.ua

Deadlines

1. Registration form and Abstracts	Before 22 June, 2018
2. Second call for papers and confirmation of participation	Before 11 July, 2018
3. Payment of Registration Fee	Before 11 September, 2018

Registration Fee

The Registration Fee is € 200 (€ 50 – for accompanying persons and € 50 for students).

The Registration Fee includes the preparation and publishing the Conference materials, book Conference Proceedings, coffee, tea during breaks between sessions, official dinner, banquet, as well as other organizing expenses.

Hotel «Kurortniy»

65009, Ukraine, Odessa, 2 Kurortniy alleyway
Tel.: +38(048) 784-76-00
E-mail: hotval@ukr.net
www://inkurort.com.ua

Accommodation

Cost of one day of living in the Hotel «Kurortniy» is approximately:

- Room «Lux» – € 40
- Single room – € 30

Three meals a day is approximately € 10 and paid separately.

The more precise prices will be given in the Second call for papers.



Social Program

Participants and guests of the Conference will be offered different excursions on Odessa.

Information on obtaining visas to Ukraine, options for payment of the registration fee, more detailed description of the social program and other information may be received by e-mail of Organizing Committee.

Registration Form

IX International Conference
MMITWRP-2018

Family name _____

First name _____

Country _____

Organization _____

Scientific degree _____

Title of paper _____

Visit duration _____ days

Accompanying persons _____

Address for service _____

Telephone/Fax _____

E-mail: _____

I intend

- to present a plenary paper
- to present a poster paper
- to participate in the Conference without paper

Program Committee

Prof. I. Krivtsun, PWI, Ukraine (*Chairmen*);

Prof. A. Akhonin, PWI, Ukraine;

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Institute, Germany;

Prof. V. Sydorets, PWI, Ukraine.

Organizing Committee

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*The National Academy of Sciences of Ukraine
E. O. Paton Electric Welding Institute
International Association «Welding»*



IX International Conference

MATHEMATICAL MODELING AND INFORMATION TECHNOLOGIES IN WELDING AND RELATED PROCESSES

The First Call for Papers

**Ukraine, Odessa,
Arkadia,
Hotel «Kurortniy»
10-14 September, 2018**